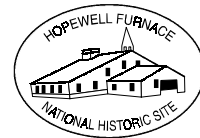


Name: \_\_\_\_\_



## Pre-Visit Research Worksheet

*Using the following information sheets, find the answers to these Hopewell Furnace questions: Occupations at Hopewell, Iron Ore to Cast Iron, Vocabulary, and The Iron-Making Process.*

1. \_\_\_\_\_ Which gender was most likely to have the lesser chance at a highly skilled position at Hopewell during the 19th Century?
2. \_\_\_\_\_ Woodcutters supplied cut and split wood to the men who made the charcoal. What name was a charcoal maker known by?
3. \_\_\_\_\_ Who was the general manager and often the owner of the furnace?
4. \_\_\_\_\_ Charcoal, iron ore, limestone, people, and what other resource were needed to produce iron at Hopewell in the 19th Century?
5. \_\_\_\_\_ Who was the founder's primary assistant?
6. \_\_\_\_\_ Name applied to the waste product of smelting, made up of limestone and impurities from iron ore?
7. \_\_\_\_\_ Horses and wagons were the business of what person?
8. \_\_\_\_\_ What is the mineral that was the cleaning agent or "flux" in the iron-producing process?
9. \_\_\_\_\_ Who was the skilled person that repaired iron products, made kitchen utensils, produced horseshoes, and shaped many other needed iron products at Hopewell?
10. \_\_\_\_\_ Who used a wooden flask, sand, and a pattern to produce a mold for the making of a cast iron product?

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*Unscramble these letters to produce a term relating to the 1800's iron industry:*

- |           |          |           |         |
|-----------|----------|-----------|---------|
| 11. _____ | ROACHCAL | 14. _____ | GLAS    |
| 12. _____ | LIFERL   | 15. _____ | WELLSOB |
| 13. _____ | ROUND FE |           |         |

Name: \_\_\_\_\_ *Answer Key*



## Pre-Visit Research Worksheet

Using the following information sheets, find the answers to these Hopewell Furnace questions: *Occupations at Hopewell, Iron Ore to Cast Iron, Vocabulary, and The Iron-Making Process.*

1.     \_\_\_\_\_ *Female*            Which gender was most likely to have the lesser chance at a highly skilled position at Hopewell during the 19th Century?
2.     \_\_\_\_\_ *Collier*            Woodcutters supplied cut and split wood to the men who made the charcoal. What name was a charcoal maker known by?
3.     \_\_\_\_\_ *Ironmaster*        Who was the general manager and often the owner of the furnace?
4.     \_\_\_\_\_ *Water*            Charcoal, iron ore, limestone, people, and what other resource were needed to produce iron at Hopewell in the 19th Century?
5.     \_\_\_\_\_ *Keeper*            Who was the founder's primary assistant?
6.     \_\_\_\_\_ *Slag*            Name applied to the waste product of smelting, made up of limestone and impurities from iron ore?
7.     \_\_\_\_\_ *Teamster*        Horses and wagons were the business of what person?
8.     \_\_\_\_\_ *Limestone*        What is the mineral that was the cleaning agent or "flux" in the iron-producing process?
9.     \_\_\_\_\_ *Blacksmith (Smith)*    Who was the skilled person that repaired iron products, made kitchen utensils, produced horseshoes, and shaped many other needed iron products at Hopewell?
10.    \_\_\_\_\_ *Moulder*        Who used a wooden flask, sand, and a pattern to produce a mold for the making of a cast iron product?

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Unscramble these letters to produce a term relating to the 1800's iron industry:

- |                              |          |                             |         |
|------------------------------|----------|-----------------------------|---------|
| 11.    _____ <i>Charcoal</i> | ROACHCAL | 14.    _____ <i>Slag</i>    | GLAS    |
| 12.    _____ <i>Filler</i>   | LIFERL   | 15.    _____ <i>Bellows</i> | WELLSOB |
| 13.    _____ <i>Founder</i>  | ROUND FE |                             |         |